## Author Index


Adam, M., see Deyl, Z. 371
Aguilar, M.
——, Huang, X. and Zare, R. N.
Determination of metal ion complexes in electroplating solutions using capillary zone electrophoresis with UV detection 427
Banks, Jr., F., See Dolnik, V. 321
Barinaga, C. J., see Smith, R. D. 211
Beckers, J. L.
—— and Everaerts, F. M.
General mathematical model for the steady state in isotachophoresis. Calculation of the effective mobility of terminating $H^+$ ions and two-buffer electrolyte systems 69
Boček, P., see Dolnik, V. 321
——, see Šustáček, V. 271
Breiner, S. J., see Lochmüller, C. H. 293
Brownlee, R. G., see Schwartz, H. E. 129
Bruce, J. I., see Mohareb, E. W. 421
Bruin, G. J. M.
——, Huisden, R., Kraak, J. C. and Poppe, H.
Performance of carbohydrate-modified fused-silica capillaries for the separation of proteins by zone electrophoresis 339
Burd, S., see Zhu, M. 311
Bushey, M. M.
—— and Jorgenson, J. W.
Capillary electrophoresis of proteins in buffers containing high concentrations of zwitterionic salts 301
Caprioli, R. M.
——, Moore, W. T., Martin, M., DaGue, B. B., Wilson, K. and Moring, S.
Coupling capillary zone electrophoresis and continuous-flow fast atom bombardment mass spectrometry for the analysis of peptide mixtures 247
Cohen, A. S., see Nelson, R. J. 111
Coleman, W. F., see Huang, X. 95
DaGue, B. B., see Caprioli, R. M. 247
Deterding, L. J., see Moseley, M. A. 197
Deyl, Z.
——, Rohlicek, V. and Adam, M.
Separation of collagens by capillary zone electrophoresis 371
———, see Rohlicek, V. 289
Dobashi, A.
——, Ono, T., Hara, S. and Yamaguchi, J.
Enantioselective hydrophobic entanglement of enantiomeric solutes with chiral functionalized micelles by electrokinetic chromatography 413
Dolnik, V.
——, Liu, J., Banks, Jr., F., Novotny, M. V. and Boček, P.
Capillary zone electrophoresis of oligonucleotides. Factors affecting separation 321
Dougherty, D. A.
——, Zeece, M. G., Wehling, R. L. and Partridge, J. E.
High-resolution two-dimensional electrophoresis of wheat proteins 359
Dovichi, N. J., see Wu, S. 141
Edmonds, C. G., see Smith, R. D. 211
Everaerts, F. M., see Beckers, J. L. 69
Foret, F., see Šustáček, V. 271
Frenz, J.
——, Wu, S.-L. and Hancock, W. S.
Characterization of human growth hormone by capillary electrophoresis 379
Gannon, F., see Zhu, M. 311
Giddings, J. C.
Harnessing electrical forces for separation. Capillary zone electrophoresis, isoelectric focusing, field-flow fractionation, split-flow thin-cell continuous-separation and other techniques 21
Gordon, M. J., see Huang, X. 285
Gross, L.
—— and Yeung, E.S.
Indirect fluorimetric detection and quantification in capillary zone electrophoresis of inorganic anions and nucleotides 169
Guttman, A., see Nelson, R. J. 111
Hallen, R. W.
——, Shumate, C. B., Siems, W. F., Tsuda, T. and Hill, Jr., H. H.
Preliminary investigation of ion mobility spectrometry after capillary electrophoretic introduction 233
Hancock, W. S., see Frenz, J. 379
Hansen, D. L., see Zhu, M. 311
Hara, S., see Dobashi, A. 413
Hill, Jr., H. H., see Hallen, R. W. 233
Hjertén, S., see Kilàr, F. 351
Huang, X.
——, Coleman, W. F. and Zare, R. N.
Analysis of factors causing peak broadening in capillary zone electrophoresis 95
——, Gordon, M. J. and Zare, R. N.
Effect of electrolyte and sample concentration of the relationship between sensitivity and resolution in capillary zone electrophoresis using conductivity detection 285
——, see Aguilar, M. 427

Hughes, J. B., see Mohareb, E. W. 421
Huisden, R., see Bruin, G. J. M. 339
Jorgenson, J. W., see Bushey, M. M. 301
——, see Moseley, M. A. 197
——, see Nickerson, B. 157
Karger, B. L., see Nelson, R. J. 111
Kikumoto, M., see Kobayashi, S. 179
Kilàr, F.
—— and Hjertén, S.
Separation of the human transferrin isoforms by carrier-free high-performance zone electrophoresis and isoelectric focusing 351
Kobayashi, S.
——, Ueda, T. and Kikumoto, M.
Photodiode array detection in high-performance capillary electrophoresis 179
Kraak, J. C., see Bruin, G. J. M. 339
Liu, J., see Dolnik, V. 321
Lochmüller, C. H.
——, Breiner, S. J. and Ronsick, C. S.
Open-channel isoelectric focusing in thermally engendered pH gradients 293
Loo, J. A., see Smith, R. D. 211
Manabe, T., see Yamamoto, H. 277, 331
Martin, M., see Caprioli, R. M. 247
Melera, M., see Schwartz, H. E. 129
Miyashita, Y., see Terabe, S. 403
Mohareb, E. W.
——, Hughes, J. B. and Bruce, J. I.
Sensitive resolution of *Giardia lamblia* membrane antigens 421
Moore, W. T., see Caprioli, R. M. 247
Moring, S., see Caprioli, R. M. 247
Moseley, M. A.
——, Deterding, L. J., Tomer, K. B. and Jorgenson, J. W.
Coupling of capillary zone electrophoresis and capillary liquid chromatography with coaxial continuous-flow fast atom bombardment tandem sector mass spectrometry 197
Nelson, R. J.
——, Paulus, A., Cohen, A. S., Guttman, A. and Karger, B. L.
Use of Peltier thermoelectric devices to control column temperature in high-performance capillary electrophoresis 111
Nickerson, B.
—— and Jorgenson, J. W.
Characterization of a post-column reaction–laser-induced fluorescence detector for capillary zone electrophoresis 157
Nielsen, R. G.
——, Riggin, R. M. and Rickard, E. C.
Capillary zone electrophoresis of peptide fragments from trypsin digestion of biosynthetic human growth hormone 393
Novotny, M. V., see Dolnik, V. 321
Okuyama, T., see Yamamoto, H. 277, 331
Ono, T., see Dobashi, A. 413
Otsuka, K.
—— and Terabe, S.
Extra-column effects in high-performance capillary electrophoresis 91
Partridge, J. E., see Dougherty, D. A. 359
Paulus, A., see Nelson, R. J. 111
Pentoney, Jr., S. L.
——, Zare, R. N. and Quint, J. F.
Semiconductor radioisotope detector for capillary electrophoresis 259
Poppe, H., see Bruin, G. J. M. 339
Powell, A. C., see Sepaniak, M. J. 185
Quint, J. F., see Pentoney, Jr., S.L. 259
Rhodes, P. H., see Roberts, G. O. 35
Rickard, E. C., see Nielsen, R. G. 393
Riggin, R.M., see Nielsen, R. G. 393
Roberts, G. O.
——, Rhodes, P. H. and Snyder, R. S.
Dispersion effects in capillary zone electrophoresis 35
Rohlicek, V.
—— and Deyl, Z.
Simple device for flushing capillaries in capillary zone electrophoresis 289
——, see Deyl, Z. 371
Ronsick, C. S., see Lochmüller, C. H. 293
Schwartz, H. E.
——, Melera, M. and Brownlee, R. G.
Performance of an automated injection and replenishment system for capillary electrophoresis 129
Sepaniak, M. J.
——, Swaile, D. F. and Powell, A. C.
Instrumental developments in micellar electrokinetic capillary chromatography 185
Shibata, M., see Terabe, S. 403
Shumate, C. B., see Hallen, R. W. 233
Siems, W. F., see Hallen, R. W. 233
Smith, R.D.
——, Loo, J. A., Barinaga, C. J., Edmonds, C. G. and Udseth, H. R.
Capillary zone electrophoresis and isotachophoresis–mass spectrometry of polypeptides and proteins based upon an electrospray ionization interface 211
Snyder, R. S., see Roberts, G. O. 35
Šustáček, V.
——, Foret, F. and Boček, P.
Simple method for generation of a dynamic pH gradient in capillary zone electrophoresis 271
Swaile, D. F., see Sepaniak, M. J. 185
Terabe, S.
——, Shibata, M. and Miyashita, Y.
Chiral separation by electrokinetic chromatography with bile salt micelles 403

Terabe, S., see Otsuka, K. 91
Tomer, K. B., see Moseley, M. A. 197
Tsuda, T., see Hallen, R. W. 233
Udseth, H. R., see Smith, R. D. 211
Ueda, T., see Kobayashi, S. 179
Vesterberg, O.
History of electrophoretic methods 3
Wehling, R. L., see Dougherty, D. A. 359
Wilson, K., see Caprioli, R. M. 247
Wu, S.
—— and Dovichi, N. J.
High-sensitivity fluorescence detector for fluorescein isothiocyanate derivatives of amino acids separated by capillary zone electrophoresis 141
Wu, S.-L., see Frenz, J. 379
Yamaguchi, J., see Dobashi, A. 413
Yamamoto, H.
——, Manabe, T. and Okuyama, T.
Gel permeation chromatography combined with capillary electrophoresis for microanalysis of proteins 277
——, Manabe, T. and Okuyama, T.
Capillary electrophoresis of nucleic acids with a fully automated apparatus 331
Yeung, E. S., see Gross, L. 169
Zare, R. N., see Aguilar, M. 427
——, see Huang, X. 95, 285
——, see Pentoney, Jr., S. L. 259
Zeece, M. G., see Dougherty, D. A. 359
Zhu, M.
——, Hansen, D. L., Burd, S. and Gannon, F.
Factors affecting free zone electrophoresis and isoelectric focusing in capillary electrophoresis 311